

CLAIMS

What is claimed is:

1. A method of adaptively controlling resource behavior comprising the steps of:

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- (a) providing a resource having at least one parameter and at least one attribute;
- (b) providing a first controller in communication with the resource for receiving parameters and an attribute;
- (c) generating at least one output attribute corresponding to the first resource parameters;
- (d) communicating the output attribute to the resource;
- (e) updating one of the at least one parameter of the resource;

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whereby, the behavior of the first resource is modified in regard to the updated parameter.

2. The method according to claim 1, wherein the attribute received by the controller comes from the resource.

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3. The method according to claim 1, wherein the attribute received by the controller is external to the resource.

4. The method according to claim 1, wherein the resource has a user interface corresponding at least in part to the resource parameter and output attribute.

5. The method according to claim 4, wherein the user interface is updated when the resource is updated.

6. The method according to claim 1, wherein the resource is a plurality of resources and the controller controls each of the resources.

7. The method according to claim 1, wherein the resource is a plurality of resources and wherein there is a plurality of the controllers, each associated with at least one of the resources.

8. The method according to claim 1, wherein the resource and the controller communicate over the global computer network.

9. The method according to claim 1, wherein the resource is a data rate of a client on a computer network.

10. The method according to claim 9, wherein the controller is part of a server on the computer network.

11. An adaptively controlled resource comprising:
a device having at least one parameter and at least one attribute corresponding to a device behavior;

a controller in communication with the device for receiving an at least one parameter and one input attribute;

5 a processor for generating at least one output attribute based at least in part on an inputted attribute and communicating said output attribute to the device, wherein one of the at least one device parameter is updated and the device behavior is updated in regard thereto.

10 12. The adaptively controlled resource according to claim 11, wherein the attribute received by the controller comes from the resource.

13. The adaptively controlled resource according to claim 11, wherein the attribute received by the controller is external to the resource.

15 14. The adaptively controlled resource according to claim 11, wherein the resource has a user interface corresponding at least in part to the resource parameter and output attribute.

20 15. The adaptively controlled resource according to claim 14, wherein the user interface is updated when the resource is updated.

16. The adaptively controlled resource according to claim 11, wherein the resource is a plurality of resources and the controller controls each of the resources.

25 17. The adaptively controlled resource according to claim 11, wherein the resource is a plurality of resources and wherein there is a plurality of the controllers, each associated with at least one of the resources.

18. The adaptively controlled resource according to claim 11, wherein the
resource and the controller communicate over the global computer network.

5 19. The adaptively controlled resource according to claim 11, wherein the
resource is a data rate of a client on a computer network.

10 20. The adaptively controlled resource according to claim 19, wherein the
controller is part of a server on the computer network.

15 21. An intelligent network device comprising:

an adaptively controlled resource having at least one parameter and
at least one attribute corresponding to a behavior of the network device;
a controller in communication with the device for receiving an at
least one parameter and one input attribute; and
a processor for generating at least one output attribute based at
least in part on resource inputted attribute and communicating the output
attribute to the device, wherein one of the at least one device parameter is
updated and the resource behavior is updated in regard thereto.

20 22. The intelligent network device in Claim 21 wherein said
resource is a computer program.

25 23. The intelligent network device of Claim 21 wherein said
resource is computer hardware.

24. The intelligent network device of Claim 21 wherein said resource is embedded in firmware.

5 25. The intelligent network device of Claim 23 wherein said hardware is an appliance.

10 26. The intelligent network device of Claim 25 wherein said appliance is selected from the group consisting of cameras, radios, smoke detectors, carbon monoxide detectors, water detectors, radon detectors, fire detectors, motion detectors, contact sensors, light switches, thermostats, televisions, television recorders, washers, dryers, microwave ovens, cooking ranges, car alarms, boat alarms, plant watering devices, sprinklers, radio tuners, pagers, cellular telephones, computers and combinations thereof.